INDEX OF AUTHORS' NAMES.

TRANSACTIONS. 1916.

A.

Addy, *Charles Wesley*, and *Alexander Killen* **Macbeth**, the reaction of the alkyl nitrites with pyridine and quinoline, 754.

trimethyl- and triethyl-sulphonium nitrites, 755.

Aitchison, *Leslie*, the action of sulphuric acid on alloy steels, 288.

Anderson, *Leonard*. See *Julius Berend* **Cohen**.

B.

Berkeley, (*the Earl of*), a new form of distilling flask, together with a note on benzyl benzoate, 520.

Black, (*Miss*) *Vera Kathleen*. See *John Kerfoot* **Wood**.

Bleuler, *Hanns*, and *Arthur George* **Perkin**, an oxidation product of gallic acid, 529.

Brady, *Oscar Lisle*, and *Frederick Percy* **Dunn**, the isomerism of the oximes. Part VIII. Carbanilino- and carbethoxy-derivatives of the oximes and the mechanism of isomeric change in the oximes and their derivatives, 650.

Bragg, *William Henry*, recent work on *X*-rays and crystals and its bearing on chemistry, 252.

Bramley, *Arthur*, the study of binary mixtures. Part I. The densities and viscosities of mixtures containing phenol, 10.

the study of binary mixtures. Part II. The densities and viscosities of mixtures containing substituted phenols, 434.

the study of binary mixtures. Part III. Freezing-point curves, 469.

the study of binary mixtures. Part IV. Heats of reaction and specific heats, 496.

Bramley, *Arthur*. See also *James Charles* **Philip**.

Brannigan, *Peter Joseph*, and *Alexander Killen* **Macbeth**, the quantitative absorption of light by simple inorganic substances. Part I. The haloids of the alkali metals and hydrogen, 1277.

C.

Cadre, *Shunker Trimbak*, and *John Joseph* **Sudborough**, additive compounds of *s*-trinitrobenzene with amino-derivatives of complex aromatic hydrocarbons, 1349.

Caldwell, *Robert John*, obituary notice of, 372.

Caldwell, *William*, chloro- and bromotriethylphosphinoacetaldehyde, 283.

Callow, *Raphael Heber*, *William Cudmore McCullagh* **Lewis**, and *Gerald* **Nodder**, studies in catalysis. Part III. Preliminary measurements of the infra-red absorption spectra of hydrogen chloride, potassium chloride, and methyl acetate in aqueous solution, 55.

Challenger, *Frederick*, organo-derivatives of bismuth, 250.

Chattaway, *Frederick Daniel*, and *George Roger* **Clemo**, polymorphism in halogen-substituted anilides, 89.

Chattaway, *Frederick Daniel*, and *Oscar Charles* **Ellington**, 3:5-dibromo- and 3:5-dichloro-phenylhydrazine, 587.

Chattaway, *Frederick Daniel*, and *John Malthouse* **Harrison**, the interaction of tetranitromethane and potassium ferrocyanide, 171

Chattaway, *Frederick Daniel*, and *George Dufour* **Hodgson**, derivatives of bromotolylhydrazines, 582.

Chowdhuri, *Tārinicharan*. See *Pañchānan* **Neogi**.

Church, (*Sir*) *Arthur Herbert*, obituary notice of, 374.

Clayton, *Arthur*, the functions of the higher valencies, 1046.

Clemo, *George Roger*. See *Frederick Daniel* **Chattaway**.
Cohen, *Julius Berend*, *David* **Woodroffe**, and *Leonard* **Anderson**, the relation of position isomerism to optical activity. Part X. The menthyl alkyl esters of phthalic acid and its nitro-derivatives, 222.
Collie, *John Norman*, a space formula for benzene. Part II., 561.
Crann, *Thomas William*. See *Harry Medforth* **Dawson**.

D.

Davies, *John Llewelyn*, obituary notice of, 369.
Dawson, *Harry Medforth*, and *Thomas William* **Crann**, the dual theory of acid catalysis; a comparison of the activities of certain strong acids, 1262.
De, *Rajendralal*. See *Prafulla Chandra* **Rây**.
Dean, *Harry FitzGibbon*, and *Maximilian* **Nierenstein**, 2-hydroxy-1-keto-4-methylene-1:4-dihydronaphthalene, 593.
Dey, *Manik Lal*. See *Prafulla Chandra* **Rây**.
Dhar, *Surendranath*, some xanthone derivatives and xanthone colouring matters, 744.
Dixon, *Augustus Edward*, and *John* **Taylor**, the interaction of aldehydes and thiocarbamides in the presence of acids, 1244.
Dorée, *Charles*, and *Lionel* **Orange**, contributions to the chemistry of cholesterol and coprosterol. Part III. The ozonides of cholesterol. Part IV. The action of bromine on cholesteryl benzoate, 46.
Drakeley, *Thomas James*, the influence of iron pyrites on the oxidation of coal, 723.
Drew, *Harry Dugald Keith*. See *George* **Senter**.
Dunn, *Frederick Percy*. See *Oscar Lisle* **Brady**.

E.

Ellington, *Oscar Charles*. See *Frederick Daniel* **Chattaway**.
Ewins, *Arthur James*, the estimation of arsenic in organic compounds, 1355.

F.

Foucar, *James Louis*, obituary notice of, 369.
Friend, *John Albert Newton*, a cyclic theory of the constitution of metalammines and of ferro- and ferri-cyanides, 715.

G.

Garner, *William Edward*, and *Daniel* **Tyrer**, note on the preparation of diethylamine, 174.
Ghosh, *Brojendra Nath*, a synthesis of flavones, 105.
Ghosh, *Brojendra Nath*. See also *Sosale Garalapury* **Sastry**.
Gibbs, *Ivan Richard*, obituary notice of, 370.
Griffith, *Robert Owen*, and *William Cudmore McCullagh* **Lewis**, studies in catalysis. Part IV. Stoicheiometric and catalytic effects due to the progressive displacement of one reactant by another in the "acid" hydrolysis of methyl acetate, 67.

H.

Haga, *Tamemasa*, obituary notice of, 380.
Hamilton, (*Miss*) *Ellice Eltie Peden*, and *Robert* **Robinson**, an extension of the theory of addition to conjugated unsaturated systems. Part I. Note on the constitution of the salts of 1-benzylidene-2-methyl-1:2:3:4-tetrahydroisoquinoline, 1029.
Hargreaves, *George Watson*, the essential oil of *Cinnamomum oliveri* (Bail.) or Brisbane sassafras, 751.
Harrison, *John Malthouse*. See *Frederick Daniel* **Chattaway**.
Hartley, *Ernald George Justinian*, the reaction between methyl iodide and some metallic cyanides, 1296.
some reactions produced by mercuric iodide, 1302.
Haward, *William Arthur*, and *Tatsuro* **Otagawa**, the propagation of flame in mixtures of hydrogen and air. The "uniform movement," 83.
Haworth, *Walter Norman*, and *James* **Law**, the constitution of the disaccharides. Part I. The structure of sucrose, 1314.
Hodgson, *George Dufour*. See *Frederick Daniel* **Chattaway**.
Holt, *Alfred*, the preparation of ethyl bromide, 1.
Hopkins, *Frederick Gowland*, newer standpoints in the study of nutrition, 629.

I.

Irvine, *James Colquhoun*, and *George* **Robertson**, evidence indicating the existence of a new variety of fructose; a reactive form of methylfructoside, 1305.

J.

Jones, *David Trevor*, and *Richard Vernon* **Wheeler**, the constitution of coal, 707.

K.

Kiltinovic, *Stanislav Stanislavovitsch*. See *Leo Alexandrovitsch* **Tschugaev**.

L.

Law, *James*. See *Walter Norman* **Haworth**.

Leonard, *Alfred Godfrey Gordon*, *o*-chlorobenzyl bromide and its products of hydrolysis, 570.

Lewes, *Vivian Byam*, obituary notice of, 382.

Lewis, *William Cudmore McCullagh*, studies in catalysis. Part V. Quantitative expressions for the velocity, temperature-coefficient, and effect of the catalyst from the point of view of the radiation hypothesis, 796.

Lewis, *William Cudmore McCullagh*. See also *Raphael Heber* **Callow**, and *Robert Owen* **Griffith**.

Long, *Frank Stevenson*, obituary notice of, 370.

Louis, *David Alexander*, obituary notice of, 385.

Lubrzynska, (*Miss*) *Eva*, the condensation of pyrrole-2-aldehyde with ketones, 1118.

M.

Macbeth, *Alexander Killen*. See *Charles Wesley* **Addy**, and *Peter Joseph* **Brannigan**.

McKie, (*Miss*) *Phyllis Violet*. See *Kennedy Joseph Previté* **Orton**.

Marshall, *Arthur*, and *Gordon* **Peace**, the vapour pressure of glyceryl trinitrate (nitroglycerin), 298.

Meek, *David B.*, and *Edwin Roy* **Watson**, the colour of polyhydroxyanthraquinone dyes, 544.

Morgan, *Gilbert Thomas*, and *Joseph* **Reilly**, non-aromatic diazonium salts. Part V. Diazo-derivatives of aminotriazoles, 155.

Morgan, *John Stanley*, the periodic evolution of carbon monoxide, 274.

Mukherjee, *Kshitish Chandra*, and *Edwin Roy* **Watson**, dyes derived from phenanthraquinone, 617.

N.

Neogi, *Pañchānan*, and *Tārinicharan* **Chowdhuri**, conversion of aliphatic nitrites into nitro-compounds, 701.

Neville, *Francis Henry*, obituary notice of, 386.

Newbery, *Edgar*, overvoltage tables. Part I. Cathodic overvoltages, 1051.

overvoltage tables. Part II. Anodic overvoltages, 1066.

overvoltage tables. Part III. Overvoltage and the periodic law, 1107.

overvoltage tables. Part IV. The theories of overvoltage and passivity, 1359.

Nierenstein, *Maximilian*. See *Harry FitzGibbon* **Dean**.

Noble, (*Sir*) *Andrew*, obituary notice of, 432.

Nodder, *Gerald*. See *Raphael Heber* **Callow**.

O.

Orange, *Lionel*. See *Charles* **Dorée**.

Orton, *Kennedy Joseph Previté*, and (*Miss*) *Phyllis Violet* **McKie**, the estimation of mixtures of paracetaldehyde and acetal, 184.

Otagawa, *Tatsuro*. See *William Arthur* **Haward**.

P.

Patterson, *Thomas Law*, obituary notice of, 387.

Patterson, *Thomas Stewart*, the influence of solvents, etc., on the rotation of optically active compounds. Part XXI. The relationship of the rotatory powers of ethyl tartrate, *iso*butyl tartrate, and *iso*butyl diacetyltartrate, 1139.

the influence of solvents, etc., on the rotation of optically active compounds. Part XXII. Rotation–dispersion, 1176.

the influence of solvents, etc., on the rotation of optically active compounds. Part XXIII. Anomalous rotation–dispersion and dynamic isomerism, 1204.

Peace, *Gordon*. See *Arthur* **Marshall**.

Perkin, *Arthur George*, the colouring matter of cotton flowers. Part III. 145.

Perkin, *Arthur George*, a product obtained in the manufacture of natural indigo, 210.

Perkin, *Arthur George*. See also *Hanns* **Bleuler.**

Perkin, *William Henry, jun.*, cryptopine and protopine, 815.

Philip, *James Charles*, and *Arthur* **Bramley**, the action of water on cupric thiocyanate, 597.

Pickering, *Spencer Percival Umfreville*, compounds of iron, manganese, lead, and the metals of Group II., 235.

Pollok, *James Holms*, obituary notice of, 389.

Powis, *Frank*, the coagulation of colloidal arsenious sulphide by electrolytes, and its relation to the potential difference at the surface of the particles, 734.

Procter, *Henry Richardson*, and *John Arthur* **Wilson**, the acid–gelatin equilibrium, 307.

theory of vegetable tanning, 1327.

Pyman, *Frank Lee*, derivatives of glyoxaline-4(or 5)-formaldehyde and glyoxaline-4(or 5)-carboxylic acid; a new synthesis of histidine, 186.

R.

Rae, *William Norman*, a period of induction in the dehydration of some crystalline hydrates, 1229.

the hydrolysis of iron ammonium alum, 1331.

Rakshit, *Jitendra Nath*, decompositions of sodium diacetamide and potassium acetamide, 180.

Rây, *Prafulla Chandra*, nitromercaptides and their reaction with the alkyl iodides; compounds of the disulphonium series, 131.

mercury mercaptide nitrites and their reaction with the alkyl iodides. Part II., 603.

Rây, *Prafulla Chandra*, and *Rajendralal* **De**, molecular volumes of the hyponitrites of the alkali metals and metals of the alkaline earths, 122.

Rây, *Prafulla Chandra*, and *Manik Lal* **Dey**, interaction of iodine and thioacetamide in aqueous and alcoholic solutions, 698.

Reilly, *Joseph*. See *Gilbert Thomas* **Morgan.**

Report of the Council, 320.

Report of the International Committee on Atomic Weights, 777.

Roberts, *Oswald Digby*, the volatile oil from the wood of the Indian deodar tree, 791.

Robertson, *George*. See *James Colquhoun* **Irvine.**

Robertson, *Philip Wilfred*, the simultaneous estimation of carbon and halogen by the chromic acid method, 215.

Robinson, (*Mrs.*) *Gertrude Maud*, experiments on the so-called migration of atoms and groups. Part I. The nitration of *p*-iodoanisole and other iodophenolic ethers, 1078.

Robinson, *Robert*, an extension of the theory of addition to conjugated unsaturated systems. Part II. The *C*-alkylation of certain derivatives of β-aminocrotonic acid and the mechanism of the alkylation of ethyl acetoacetate and similar substances, 1038.

Robinson, *Robert*. See also (*Miss*) *Ellice Ettie Peden* **Hamilton.**

Roscoe, (*the Right Hon. Sir*) *Henry Enfield*, obituary notice of, 395.

S.

Salway, *Arthur Henry*, studies on the oxidation of unsaturated fatty oils and unsaturated fatty acids. Part I. The formation of acrolein by the oxidation of linseed oil and linolenic acid, 138.

Sastry, *Sosale Garalapury*, additive compounds of *s*-trinitrobenzene with heterocyclic compounds containing nitrogen in the ring, 270.

the ignition of mixtures of methane and air and hydrogen and air by means of the impulsive electric discharge, 523.

Sastry, *Sosale Garalapury*, and *Brojendra Nath* **Ghosh**, synthesis of ketoindopyranols, 175.

Schiff, *Hugo*, obituary notice of, 424.

Scott, *Alexander*, presidential address, 338.

Seligman, *Richard*, and *Percy* **Williams**, hydrates of aluminium nitrate, 612.

Senter, *George*, and *Harry Dugald Keith* **Drew**, experiments on the Walden inversion. Part IV. The influence of the solvent on the sign of the product in the conversion of phenylchloroacetic acid to phenylaminoacetic acid, 1091.

Senter, *George*, and *Stanley Horwood* **Tucker**, studies on the Walden inversion. Part III. The kinetics and dissociation constants of phenylbromoacetic acid, 690.

Senter, *George*, and *Henry* **Wood**, reactivity of the halogens in organic compounds. Part IX. Interaction of alkalis and alkali bromoacetates and bromopropionates in ethyl-alcoholic solution, 681.

Seymour-Jones, *Richard Arnold*, obituary notice of, 371.

Singh, *Bawa Kartar*, the valency of two directly linked nitrogen atoms. Part I., 780.

Sircar, *Anukul Chandra*, the relation between the chemical constitution and colour of azo-compounds, 757.

Slater, *Wilfrid Ernest*, the influence of different surfaces on the decomposition of methane, 160.

Slator, *Arthur*, the rate of growth of bacteria, 2.

Smith, *John Walter*, 3-phenanthrol-4-aldehyde, 568.

Sudborough, *John Joseph*, additive compounds of trinitrobenzene, 1339.

Sudborough, *John Joseph*. See also *Shunker Trimbak* **Cadre**.

T.

Taylor, *John*. See *Augustus Edward* **Dixon**.

Tcherniac, *Joseph*, phthalonic acid and its derivatives, 1236.

Thorne, *Percy Cyril Lesley*, the preparation and properties of colloidal carbon, 202.

Tschugaev, *Leo Alexandrovitsch*, and *Stanislav Stanislavovitsch* **Kiltinovic**, ammoniacal derivatives of platinous nitrite, 1286.

Tucker, *Stanley Horwood*. See *George* **Senter**.

Turner, *Eustace Ebenezer*, the "cyclic theory" of the constitution of complex inorganic compounds: a criticism, 1130.

Tyrer, *Daniel*. See *William Edward* **Garner**.

W.

Waldron, *Cecil Hamersley*, obituary notice of, 431.

Watson, (*Miss*) *Amy Rose*, synthesis of 8-phenyl-γ-benzopyrone and a γ-phenanthropyrone, 303.

Watson, *Edwin Roy*. See *David B.* **Meek**, and *Kshitish Chandra* **Mukherjee**.

Werner, *Emil Alphonse*, the constitution of carbamides. Part III. The reaction of urea and of thiourea with acetic anhydride; note on potassium thiourea, 1120.

the preparation of cyanamide from calcium cyanamide, 1325.

Wheeler, *Richard Vernon*. See *David Trevor* **Jones**.

Williams, *Howell*. See *Henry* **Wren**.

Williams, *Percy*. See *Richard* **Seligman**.

Wilson, *John Arthur*. See *Henry Richardson* **Procter**.

Witt, *Otto Nikolaus*, obituary notice of, 428.

Wood, *Henry*. See *George* **Senter**.

Wood, *John Kerfoot*, and (*Miss*) *Vera Kathleen* **Black**, amphoteric metallic hydroxides. Part III. Chromium hydroxide, 164.

Woodroffe, *David*. See *Julius Berend* **Cohen**.

Wren, *Henry*, and *Howell* **Williams**, studies in the phenylsuccinic acid series. Part III. The optically active phenylsuccinic acids and their derivatives, 572.

Wright, *Robert*, molecular weight determinations in bromine by the air-current method 1134.

INDEX OF SUBJECTS.

TRANSACTIONS. 1916.

Single organic compounds of known empirical formula will be found in the Formula Index, p. 1379.

A.

Acids, fatty unsaturated, oxidation of (SALWAY), 138.
strong, catalytic activity of (DAWSON and CRANN), 1262.
Address, presidential (SCOTT), 338.
Air. See Atmospheric air.
Aldehydes, interaction of thiocarbamides and (DIXON and TAYLOR), 1244.
Alkali haloids, absorption of light by (BRANNIGAN and MACBETH), 1277.
hyponitrites, molecular volumes of (RÂY and DE), 122.
Alkaline earth hyponitrites, molecular volumes of (RÂY and DE), 122.
Alkyl iodides, reaction of alkyl cyanides with, in presence of mercuric iodide (HARTLEY), 1302.
reactions of mercury mercaptide nitrites with (RÂY), 131, 603.
nitriles, reaction of alkyl iodides with, in presence of mercuric iodide (HARTLEY), 1302.
nitrites, conversion of, into nitro-compounds (NEOGI and CHOWDHURI), 701.
action of pyridine and quinoline with (ADDY and MACBETH), 754.
Aluminium nitrate, hydrates of (SELIGMAN and WILLIAMS), 612.
Ammonia, compounds of, with platinous nitrite (TSCHUGAEV and KILTINOVIC), 1286.
Ammonium iron alum, hydrolysis of (RAE), 1331.
Anilides, polymorphic halogen-substituted (CHATTAWAY and CLEMO), 89.
Annual General Meeting, 320.
Anthraquinone colouring matters, polyhydroxy-, colour of (MEEK and WATSON), 544.
Arsenic *tri*sulphide, coagulation of, by electrolytes (POWIS), 734.
Arsenic, estimation of, in organic compounds (EWINS), 1355.
Atmospheric air, ignition of mixtures of methane and of hydrogen with (SASTRY), 523.
propagation of flame in mixtures of methane and (HAWARD and OTAGAWA), 83.
Atomic weights, report of the International Committee on, 777.
table of, 779.
Atoms, migration of (ROBINSON), 1078.
Azo-compounds, colour and constitution of (SIRCAR), 757.

B.

Bacteria, rate of growth of (SLATOR), 2.
Balance sheets of the Chemical Society and of the Research Fund. See Annual General Meeting, 320.
Barium, salts of, with organic acids (PICKERING), 246.
*iso***Berberidol**, $C_{20}H_{20}O_5$.
Bismuth organic compounds (CHALLENGER), 250.
Bromine, determination of molecular weights in (WRIGHT), 1134.

C.

Cadmium, salts of, with organic acids (PICKERING), 244.
Calcium, salts of, with organic acids (PICKERING), 246.
Carbamides, constitution of (WERNER), 1120.
Carbon, colloidal, preparation and properties of (THORNE), 202.
*mono*xide, periodic evolution of, in its preparation (MORGAN), 274.
Carbon, estimation of halogen and, in organic compounds (ROBERTSON), 215.
Carbostyril, C_9H_7ON.
Catalysis, studies in (CALLOW, LEWIS, and NODDER), 55; (GRIFFITH and LEWIS), 67; (LEWIS), 796.

Catalysis by acids (DAWSON and CRANN), 1262.
Chlorine, absorption of light by (BRANNIGAN and MACBETH), 1284.
Hydrochloric acid, infra-red absorption spectra of (CALLOW, LEWIS, and NODDER), 55.
Cholesterol, $C_{27}H_{46}O$.
Chromium hydroxide, amphoteric (WOOD and BLACK), 164.
Chrysene, $C_{18}H_{12}$.
Cinnamomum Oliveri, essential oil of (HARGREAVES), 751.
Coal, constitution of (JONES and WHEELER), 707.
influence of iron pyrites on the oxidation of (DRAKELEY), 723.
Colouring matters. See Flavogallol.
Cotton plant, colouring matter of flowers of (PERKIN), 145.
Cryptopidene, $C_{20}H_{20}O_4$.
Cryptopidic acid, $C_{18}H_{21}O_7N$.
Cryptopidiol, $C_{20}H_{20}O_6$.
Cryptopine, $C_{21}H_{23}O_5N$.
Crystals, and Röntgen rays (BRAGG), 252.

D.

Density of mixtures containing phenols (BRAMLEY), 10, 434.
Deodar, Indian, constituents of oil from (ROBERTS), 791.
Diazonium salts, non-aromatic (MORGAN and REILLY), 155.
Disaccharides, constitution of (HAWORTH and LAW), 1314.
Dispersion, rotatory (PATTERSON), 1176, 1204.
Distillation flask, new (BERKELEY), 520.

F.

Ferricyanides, constitution of (FRIEND), 715; (TURNER), 1134.
Ferrocyanides, constitution of (FRIEND), 715; (TURNER), 1134.
Flame, propagation of, in mixtures of methane and air (HAWARD and OTAGAWA), 83.
Flavogallol, $C_{21}H_8O_{12}$.
Flavogallonic acid, $C_{21}H_{10}O_{13}$.
Flavones, synthesis of (GHOSH), 105.
Fluorene, $C_{13}H_{10}$.
Freezing-point of binary mixtures containing phenols (BRAMLEY), 469.

G.

Gallic acid, $C_7H_6O_5$.
Gelatin, equilibrium of acids with (PROCTER and WILSON), 307.
Gossipitrone, $C_{21}H_{18}O_{13}$.
Groups, migration of (ROBINSON), 1078.

H.

Halogens, reactivity of, in organic compounds (SENTER and WOOD), 681.
estimation of carbon and, in organic compounds (ROBERTSON), 215.
Halogen acids, absorption of light by (BRANNIGAN and MACBETH), 1277.
Heat, specific, of binary mixtures containing phenols (BRAMLEY), 496.
Histidine, $C_6H_9O_2N_3$.
Hydrates, crystalline, dehydration of (RAE), 1229.
Hydrochloric acid. See under Chlorine.
Hydrogen, ignition of mixtures of air and (SASTRY), 523.

I.

Indigo, natural, products obtained in the manufacture of (PERKIN), 210.
Inorganic compounds, complex, cyclic theory of constitution of (TURNER), 1130.
absorption of light by (BRANNIGAN and MACBETH), 1277.
Iodine, action of, with thioacetamide (RÂY and DEY), 698.
Iron ammonium alum, hydrolysis of (RAE), 1331.
salts of, with organic acids (PICKERING), 235.
Steel, alloy, action of sulphuric acid on (AITCHISON), 288.
Isomerism, dynamic, and rotatory dispersion (PATTERSON), 1204.
position, relation of optical activity to (COHEN, WOODROFFE, and ANDERSON), 222.

K.

Ketoindopyranols, synthesis of (SASTRY and GHOSH), 171.
Ketones, condensation of pyrrole-2-aldehyde with (LUBRZYNSKA), 118.

L

Lead, salts of, with organic acids (PICKERING), 235.
Lectures delivered before the Chemical Society (BRAGG), 252; (HOPKINS), 629.
Light, absorption of, by inorganic compounds (BRANNIGAN and MACBETH), 1277.
Linolenic acid, $C_{18}H_{30}O_2$.
Linseed oil, oxidation of (SALWAY), 138.

M.

Magnesium, salts of, with organic acids (PICKERING), 244.
Manganese, salts of, with organic acids (PICKERING), 235.
Mercury:—
Mercuric iodide, reactions brought about by (HARTLEY), 1302.
Mercury organic compounds, salts of, with organic acids (PICKERING), 244.
mercaptide nitrites and their reactions with alkyl iodides (RÂY), 131, 603.
Metal-ammines, constitution of (FRIEND), 715.
Metallic hydroxides, amphoteric (WOOD and BLACK), 164.
salts, hydrated crystalline, dehydration of (RAE), 1229.
cyanides, reactions of methyl iodide with (HARTLEY), 1296.
Mixtures, binary, physical properties of (BRAMLEY), 10, 434, 469, 496.
Molecular weights. See Weights.

N.

Nitro-compounds, formation of, from alkyl nitrites (NEOGI and CHOWDHURI), 701.
Nitrogen, valency of two directly-linked atoms of (SINGH), 780.
Nutrition, study of (HOPKINS), 629.

O.

Obituary notices:—
Robert John Caldwell, 372.
Sir Arthur Herbert Church, 374.
John Llewelyn Davies, 369.
James Louis Foucar, 369.
Ivan Richard Gibbs, 370.
Tamemasa Haga, 380.
Vivian Byam Lewes, 382.
Frank Stevenson Long, 370.
David Alexander Louis, 385.
Francis Henry Neville, 386.
Sir Andrew Noble, 432.
Thomas Law Patterson, 387.
James Holms Pollok, 389.
The Right Hon. Sir Henry Enfield Roscoe, 395.
Hugo Schiff, 424.
Richard Arnold Seymour-Jones, 371.
Cecil Hamersley Waldron, 431.
Otto Nikolaus Witt, 428.
Oils, fatty unsaturated, oxidation of (SALWAY), 138.
Optical activity, relation of position isomerism to (COHEN, WOODROFFE, and ANDERSON), 222.
inversion, Walden's (SENTER and TUCKER), 690; (SENTER and DREW), 1091.
Optically active compounds, rotation of (PATTERSON), 1139, 1176, 1204.
Organic compounds, reactivity of halogens in (SENTER and WOOD), 681.
estimation of arsenic in (EWINS), 1355.
estimation of carbon and hydrogen in (ROBERTSON), 215.
Overvoltage, tables of (NEWBERY), 1051, 1066, 1107, 1359.
Oximes, isomerism of (BRADY and DUNN), 650.

P.

Passivity and overvoltage (NEWBERY), 1359.
Periodic law and overvoltage (NEWBERY), 1107.
Phenanthraquinone colouring matters (MUKHERJEE and WATSON), 617.
Phenols, physical properties of mixtures containing (BRAMLEY), 10, 434, 469, 496.
Phenylsuccinic acid series, studies in the (WREN and WILLIAMS), 572.
Phthalonic acid, $C_9H_6O_5$.
Piperine, $C_{17}H_{19}O_3N$.
Platinum:—
Platinous nitrite, compounds of ammonia with (TSCHUGAEV and KILTINOVIC), 1286.
Potassium chloride, infra-red absorption spectra of (CALLOW, LEWIS, and NODDER), 55.
ferrocyanide, action of, with bromotrinitromethane and tetranitromethane (CHATTAWAY and HARRISON), 171.
Protopine, $C_{20}H_{19}O_5N$.

R.

Rays, Röntgen, and crystals (BRAGG), 252.
Retene, $C_{18}H_{18}$.
Rotation of optically active compounds (PATTERSON), 1139, 1176, 1204.

S.

Sassafras, Brisbane. See *Cinnamomum Oliveri*.
Stilbene, $C_{14}H_{12}$.
Strontium, salts of, with organic acids (PICKERING), 246.
Sulphur :—
Sulphuric acid, action of, on alloy steel (AITCHISON), 288.

T.

Tanning, theory of (PROCTER and WILSON), 1327.
Thiocarbamides, interaction of aldehydes and (DIXON and TAYLOR), 1244.
Tolane, $C_{14}H_{10}$.

U.

Unsaturated compounds, theory of addition to (HAMILTON and ROBINSON), 1029; (ROBINSON), 1038.

V.

Valency, functions of higher degrees of (CLAYTON), 1046.
Viscosity of mixtures containing phenols (BRAMLEY), 10, 434.

W.

Walden inversion (SENTER and TUCKER), 690; (SENTER and DREW), 1091.
Weights, molecular, determination of, in bromine (WRIGHT), 1134.

X.

X-rays. See Rays, Röntgen.
Xanthone colouring matters (DHAR), 744.

Z.

Zinc, salts of, with organic acids (PICKERING), 244.

FORMULA INDEX.

THE following index of organic compounds of known empirical formula is arranged according to Richter's system (see *Lexikon der Kohlenstoff-Verbindungen*).

The elements are given in the order C, H, O, N, Cl, Br, I, F, S, P, and the remainder alphabetically.

The compounds are arranged—

Firstly, in groups according to the number of carbon atoms (thus C_1 group, C_2 group, etc.).

Secondly, according to the number of other elements besides carbon contained in the molecule (thus 5 IV indicates that the molecule contains five carbon atoms and four other elements).

Thirdly, according to the nature of the elements present in the molecule (given in the above order).

Fourthly, according to the number of atoms of each single element (except carbon) present in the molecule.

Salts are placed with the compounds from which they are derived. The chlorides, bromides, iodides, and cyanides of quaternary ammonium bases, however, are registered as group-substances.

C_1 Group.

CH_4 Methane, ignition of mixtures of air and (HAWARD and OTAGAWA), 83; (SASTRY), 523; influence of contact with different surfaces on the decomposition of (SLATER), 160.

CO Carbon monoxide, periodic evolution of, in its preparation (MORGAN), 274.

1 II

CH_2N_2 Cyanamide, preparation of, from its calcium derivative (WERNER), 1325.

CH_3I Methyl iodide, reactions of metallic cyanides with (HARTLEY), 1296.

CO_3N_4 Tetranitromethane, action of, with potassium ferrocyanide (CHATTAWAY and HARRISON), 171.

1 III

CHNS Thiocyanic acid, cupric salt, action of water on (PHILIP and BRAMLEY), 597.

CH_4ON_2 Carbamide, reaction of acetic anhydride with (WERNER), 1120.

CH_4N_2S Thiocarbamide, reaction of acetic anhydride with, and its potassium salt (WERNER), 1120.

CO_6N_3Br Bromotrinitromethane, reaction of, with potassium ferrocyanide (CHATTAWAY and HARRISON), 171.

1 V

CH_3O_2NSHg Mercury methyl-mercaptide nitrite (RÂY), 134.

C_2 Group.

C_2HN_5 5-Diazo-1:2:4-triazole, aurichloride of (MORGAN and REILLY), 159.

C_2H_5Br Ethyl bromide, preparation of (HOLT), 1.

2 III

$C_2H_3O_2Br$ Bromoacetic acid, alkali salts, action of alkalis on (SENTER and WOOD), 681.

$C_2H_4N_2S$ Substance, from formaldehyde and thiocarbamide (DIXON and TAYLOR), 1253.

C_2H_5NS Thioacetamide, action of iodine on (RÂY and DEY), 698.

2 IV

C_2H_4ONK Potassium acetamide, decomposition of (RAKSHIT), 180.

2 V

$C_2H_5O_2NSHg$ Mercury ethyl-mercaptide nitrite (RÂY), 133.

C_3 Group.

C_3H_4O Acraldehyde (*acrolein*), formation of, from oxidation of linseed oil and linolenic acid (SALWAY), 138.

$C_3H_6O_2$ Methyl acetate, infra-red absorption spectra of (CALLOW, LEWIS, and NODDER), 55; acid hydrolysis of (GRIFFITH and LEWIS), 67.

3 III

$C_3H_4ON_2$ Acetylcyanamide, silver salt (WERNER), 1130.

$C_3H_3ON_5$ 5-Diazo-3-methyl-1:2:4-triazole, aurichloride of (MORGAN and REILLY), 157.

$C_3H_5O_2Br$ Bromopropionic acid, alkali salts, action of alkalis on (SENTER and WOOD), 681.

$C_3H_5O_9N_3$ Glyceryl trinitrate, vapour pressure of (MARSHALL and PEACE), 298.

$C_3H_6N_2S$ Substance, from acetaldehyde and thiocarbamide (DIXON and TAYLOR), 1250.

$C_3H_8N_4S_2$ Substance, from methylene di-iodide and thiocarbamide (DIXON and TAYLOR), 1255.

3 IV

$C_3H_9O_3NS$ Trimethylsulphonium nitrite (ADDY and MACBETH), 756.

3 V

$C_3H_4O_2NS_2Hg$ Mercury 2-mercaptothiazoline nitrite (RÂY), 607.

C_4 Group.

$C_4H_6O_5$ Malic acid, metallic salts of (PICKERING), 236.

$C_4H_6O_6$ Tartaric acid, metallic salts of (PICKERING), 236; rotation of esters of (PATTERSON), 1139.

$C_4H_{11}N$ Diethylamine, preparation of (GARNER and TYRER), 170.

4 III

$C_4H_4ON_2$ Glyoxaline-4(or 5)-formaldehyde, preparation of (PYMAN), 191.

$C_4H_4O_2N_2$ Glyoxaline-4(or 5)-carboxylic acid, and its salts (PYMAN), 198.

$C_4H_7O_2N$ β-Aminocrotonic acid, alkylation of derivatives of (ROBINSON), 1038.

4 IV

$C_4H_6O_2NNa$ Sodium diacetamide, decomposition of (RAKSHIT), 180.

$C_4H_{11}I_2S_2Hg$ Substance, from mercury methyl-mercaptide nitrite and ethyl iodide (RÂY), 137.

4 V

$C_4H_{10}O_5N_2S_2Hg_2$ Substance, from ethyl disulphide and mercuric nitrite (RÂY), 137.

C_5 Group.

C_5H_5N Pyridine, action of, with alkyl nitrites (ADDY and MACBETH), 754.

5 III

C_5H_5ON Pyrrole-2-aldehyde, condensation of ketones with (LUBRZYNSKA), 1118.

$C_5H_6ON_2$ Glyoxaline-4(or 5)-formaldehydecyanohydrin (PYMAN), 197.

$C_5H_6O_2N_2$ Methyl glyoxaline-4(or 5)-carboxylate (PYMAN), 200.

$C_5H_8N_2S$ Substance, from allylthiocarbamide and formaldehyde (DIXON and TAYLOR), 1255.

$C_5H_9ON_3$ β-Hydroxy-β-glyoxaline-4(or 5)-ethylamine, and its salts (PYMAN), 197.

5 IV

$C_5H_8O_2N_2S$ Substance, from carbomethoxythiocarbimide and aldehyde–ammonia (DIXON and TAYLOR), 1261.

$C_5H_{12}ON_2S$ Ethoxyethyl iminothiocarbamate (DIXON and TAYLOR), 1252.

$C_5H_{13}I_3S_2Hg$ Substance, from mercury ethyl-mercaptide nitrite and methyl iodide (RÂY), 136.

C_6 Group.

C_6H_6 Benzene, formula of (COLLIE), 561.

6 II

C_6H_6O Phenol, density and viscosity of mixtures containing (BRAMLEY), 10.

$C_6H_6S_2$ Dithioresorcinol, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1348.

$C_6H_8O_7$ Citric acid, metallic salts of (PICKERING), 236.

$C_6H_{10}O_3$ Ethyl acetoacetate, alkylation of (ROBINSON), 1038.

$C_6H_{12}O_3$ Paracetaldehyde, estimation of mixtures of acetal and (ORTON and MCKIE), 184.

$C_6H_{12}O_6$ Laevulose, new variety of (IRVINE and ROBERTSON), 1305; mutarotation of (PATTERSON), 1225.

$C_7H_{14}O_2$ Acetal, estimation of mixtures of paracetaldehyde and (ORTON and MCKIE), 184.

6 III

$C_6H_3O_6N_3$ *s*-Trinitrobenzene, additive compounds of (SUDBOROUGH), 1339; (CADRE and SUDBOROUGH), 1349; additive compounds of, with heterocylic compounds containing nitrogen in the ring (SASTRY), 270.

$C_6H_4N_6Fe$ Hydroferrocyanic acid, potassium salt, action of, with bromotrinitromethane and tetranitromethane (CHATTAWAY and HARRISON), 171.

$C_6H_4N_2Cl_2$ 3:5-Dichlorophenylhydrazine, and its hydrochloride (CHATTAWAY and ELLINGTON), 588.

$C_6H_4N_2Br_2$ 3:5-Dibromophenylhydrazine, and its hydrochloride (CHATTAWAY and ELLINGTON), 588.

$C_6H_8O_2N_2$ Ethyl glyoxaline-4(or 5)-carboxylate (PYMAN), 200.

$C_6H_9O_2N_3$ Histidine, synthesis of (PYMAN), 186.

6 IV

$C_6H_{10}O_2N_2S$ Substance, from carbethoxythiocarbimide and aldehyde–ammonia (DIXON and TAYLOR), 1260.

$C_6H_{12}ON_2S$ Substance, from allylthiocarbamide and acetaldehyde (DIXON and TAYLOR), 1255.

$C_6H_{15}O_3NS$ Triethylsulphonium nitrite (ADDY and MACBETH), 757.

$C_6H_{15}I_3S_2Hg$ Ethyldisulphoniummercuri-iodide (RÂY), 135, 611.

C_7 Group.

$C_7H_6O_5$ Gallic acid, oxidation of (BLEULER and PERKIN), 529.

$C_7H_8O_2$ *iso*Homocatechol (PERKIN), 920.

7 III

C_7H_6ClBr *o*-Chlorobenzyl bromide (LEONARD), 570.

$C_7H_8N_2Br$ Bromotolylhydrazines (CHATTAWAY and HODGSON), 582.

$C_7H_{10}ON_2$ 3:5-Diaminoanisole, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.

7 IV

$C_7H_6O_3NI$ 4-Iodo-2-nitroanisole (ROBINSON), 1084.

$C_7H_{17}I_3S_2Hg$ Substance, from mercury ethyl-mercaptide nitrite and *n*-propyl iodide (RÂY), 137.

C_8 Group.

$C_8H_8O_3$ 5:6-Dihydroxy-*o*-tolualdehyde (PERKIN), 913.

$C_8H_8O_4$ 5:6-Dihydroxy-*o*-toluic acid (PERKIN), 919.

8 III

$C_8H_6O_6N_2$ Dinitro-2:3-methylenedioxytoluene (PERKIN), 912.

$C_8H_6O_2Br_2$ Dibromo-2:3-methylenedioxytoluene (PERKIN), 918.

$C_8H_7O_2N$ Aminophthalide (TCHERNIAC), 1243.

$C_8H_7O_2Cl$ Phenylchloroacetic acid, conversion of, to phenylaminoacetic acid (SENTER and DREW), 1091.

$C_8H_7O_2Br$ Phenylbromoacetic acid, kinetics and dissociation constant of (SENTER and TUCKER), 690.

$C_8H_7O_8N_3$ 2:3:6-Trinitro-5-hydroxy-*p*-tolyl methyl ether (ROBINSON), 1089.

$C_8H_8O_2N$ Phenylaminoacetic acid, conversion of phenylchloroacetic acid to (SENTER and DREW), 1091.

$C_8H_8O_5N_2$ 2:5-Dinitro-*p*-tolyl methyl ether (ROBINSON), 1089.

$C_8H_8N_2S$ Substance, from phenylthiocarbamide and formaldehyde (DIXON and TAYLOR), 1256.

C_8H_9ON Substance, from pyrrole-2-aldehyde and acetone (LUBRZYNSKA), 1119.

$C_8H_9O_3N$ 5:6-Dihydroxy-*o*-tolualdoxime (PERKIN), 914.

C_8H_9OI 3- and 5-Iodo-*o*-tolyl methyl ethers (ROBINSON), 1080.

$C_8H_{10}ON_4$ 4(or 5)-[Glyoxaline-4(or 5)-methyl]-glyoxaline-5(or 4)-methyl alcohol, and its salts (PYMAN), 200.

8 IV

$C_8H_5O_3NBr_2$ 2:4-Dibromo-oxanilic acid ($+ H_2O$) (CHATTAWAY and CLEMO), 100.

$C_8H_6O_2N_2Br_2$ 2:4-Dibromo-oxanilamide (CHATTAWAY and CLEMO), 101.

$C_8H_7O_2NCl_2$ Methyl 2:4-dichlorocarbanilate (CHATTAWAY and CLEMO), 98.

$C_8H_7O_6SNa$ Substance, from phthalonic acid, sodium hydroxide and sulphur dioxide (TCHERNIAC), 1242.

$C_8H_8ON_2Cl_2$ Acetyl-3:5-dichlorophenylhydrazine (CHATTAWAY and ELLINGTON), 589.

$C_8H_8ON_2Br_2$ Acetyl-3:5-dibromophenylhydrazine (CHATTAWAY and ELLINGTON), 589.

$C_8H_8O_3NI$ 3-Iodo-5- and -6-nitro-*o*- and -*p*-tolyl methyl ethers (ROBINSON), 1085.

$C_8H_8O_4NI$ 2-Iodo-5-nitroquinol dimethyl ether (ROBINSON), 1087.
4-Iodo-5-nitroveratrole (ROBINSON), 1087.

$C_8H_{18}OClP$ Chlorotriethylphosphinoacetaldehyde, and its platinichloride (CALDWELL), 283.

$C_8H_{18}OBrP$ Bromotriethylphosphinoacetaldehyde (CALDWELL), 283.

8 V

$C_8H_5O_3NClBr$ Chlorobromo-oxanilic acids (CHATTAWAY and CLEMO), 99.

$C_8H_6O_2N_2ClBr$ Chlorobromo-oxanilamides (CHATTAWAY and CLEMO), 100.

$C_8H_7O_2NClBr$ Methyl chlorobromocarbanilates (CHATTAWAY and CLEMO), 97.

$C_8H_{13}N_2I_3S_4Hg$ Substance, from mercury mercaptothiazoline nitrite and ethyl iodide (RÂY), 608.

C_9 Group.

$C_9H_4O_4$ Phthalonic anhydride (TCHERNIAC), 1238.
$C_9H_6O_4$ 5:6-Carbonyldioxy-*o*-tolualdehyde (PERKIN), 913.
$C_9H_6O_5$ 5:6-Carbonyldioxy-*o*-toluic acid (PERKIN), 918.
Phthalonic acid, preparation of (TCHERNIAC), 1236.
$C_9H_6O_6$ Dihydroxyhemimellitic acid (DEAN and NIERENSTEIN), 594.
C_9H_7N Quinoline, action of, with alkyl nitrites (ADDY and MACBETH), 754.
$C_9H_8O_3$ 5:6-Methylenedioxy-*o*-tolualdehyde (PERKIN), 907.
$C_9H_8O_4$ 5:6-Methylenedioxy-*o*-toluic acid (PERKIN), 917.
$C_9H_8N_2$ 2- and 4-Aminoquinolines, additive compounds of *s*-trinitrobenzene and (SUDBOROUGH), 1347.
$C_9H_{10}O_3$ 6-Hydroxy-5-methoxy-*o*-tolualdehyde (PERKIN), 915.
$C_9H_{14}O$ Ketone, from oil of the Indian deodar tree (ROBERTS), 793.

9 III

C_9H_7ON Carbostyril, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1347.
$C_9H_7O_3N$ Amide of phthalidecarboxylic acid (TCHERNIAC), 1239.
$C_9H_7O_4N$ Phthalonamic acid (TCHERNIAC), 1239.
$C_9H_7O_5N$ 3-Nitro-5:6-methylenedioxy-*o*-tolualdehyde (PERKIN), 910.
$C_9H_7O_6N$ 3-Nitro-5:6-methylenedioxy-*o*-toluic acid (PERKIN), 913.
$C_9H_9O_3N$ 5:6-Methylenedioxy-*o*-tolualdoxime (PERKIN), 908.
$C_9H_9O_8N_3$ 2:5:6-Trinitrohomoveratrole (ROBINSON), 1090.
$C_9H_{10}O_6N_2$ 5:6-Dinitrohomoveratrole (ROBINSON), 1090.
$C_9H_{10}N_2S$ Substance, from phenylthiocarbamide and acetaldehyde (DIXON and TAYLOR), 1256.
$C_9H_{11}ON$ Substance, from pyrrole-2-aldehyde and methyl ethyl ketone (LUBRZYNSKA), 1120.
$C_9H_{11}O_3N_3$ 5:6-Dihydroxy-*o*-tolualdehydesemicarbazone (PERKIN), 914.
$C_9H_{12}O_2N_2$ Ethyl-3:5-diaminobenzoate, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.

9 IV

$C_9H_8O_2N_2Cl_2$ Pyruvic acid 3:5-dichlorophenylhydrazone (CHATTAWAY and ELLINGTON), 593.
$C_9H_8O_2N_2Br_2$ 2:4-Dibromomalonanilamide (CHATTAWAY and CLEMO), 102.
Pyruvic acid 3:5-dibromophenylhydrazone (CHATTAWAY and ELLINGTON), 592.
$C_9H_9O_2NCl_2$ Ethyl 2:4-dichlorocarbanilate (CHATTAWAY and CLEMO), 98.
$C_9H_{10}ON_2S$ Substance, from phenylthiocarbamide and formaldehyde (DIXON and TAYLOR), 1256.

9 V

$C_9H_7O_2NClBr$ Chlorobromomalonanilic acids (CHATTAWAY and CLEMO), 102.
$C_9H_8O_2N_2ClBr$ Chlorobromomalonanilamides (CHATTAWAY and CLEMO), 102.
$C_9H_9O_2NClBr$ Ethyl chlorobromocarbanilates (CHATTAWAY and CLEMO), 97.

C_{10} Group.

$C_{10}H_8$ Naphthalene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

10 II

$C_{10}H_6Br_2$ α-Dibromonaphthalene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1345.

$C_{10}H_7Br$ α-Bromonaphthalene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1345.

$C_{10}H_8O_2$ 1:3-Dihydroxynaphthalene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1345.

$C_{10}H_8O_3$ Phenylsuccinic anhydrides (WREN and WILLIAMS), 580.

$C_{10}H_8S$ Thionaphthol, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1348.

$C_{10}H_9N$ Phenylpyrrole, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1347.

$C_{10}H_{10}O_4$ Methyl 5:6-methylenedioxy-*o*-toluate (PERKIN), 917.

Phenylsuccinic acids, optically active (WREN and WILLIAMS), 572.

$C_{10}H_{10}O_5$ *m*-Opianic acid (PERKIN), 928.

$C_{10}H_{10}O_6$ *m*-Hemipinic acid, preparation of (PERKIN), 889.

$C_{10}H_{10}N_4$ Glyoxalineformaldehydephenylhydrazone (PYMAN), 193.

$C_{10}H_{12}O_3$ 5:3-Dimethoxy-*o*-tolualdehyde (PERKIN), 915.

$C_{10}H_{12}O_4$ 5:6-Dimethoxy-*o*-toluic acid (PERKIN), 920.

$C_{10}H_{13}N$ 6-Methyltetrahydroquinoline, additive compounds of trinitrobenzene and (SASTRY), 271.

$C_{10}H_{16}N_2$ Diethyl-*p*-phenylenediamine, additive compounds of *s*-trinitrobenzene and (SUDBOROUGH), 1346.

$C_{10}H_{18}O_6$ Methylfructosidemonoacetone (IRVINE and ROBERTSON), 1313.

10 III

$C_{10}H_7O_2N$ α-Nitronaphthalene, additive compounds of *s*-trinitrobenzene and (SUDBOROUGH), 1345.

$C_{10}H_9O_4N$ *m*-Hemipinimide (PERKIN), 892, 930.

m-Opianic acid oxime anhydride (PERKIN), 929.

$C_{10}H_{10}O_5N_2$ Carbethoxynitrobenzaldoximes (BRADY and DUNN), 678.

$C_{10}H_{11}O_3N_3$ 5:6-Methylenedioxy-*o*-tolualdehydesemicarbazone (PERKIN), 908.

$C_{10}H_{11}O_5N$ *m*-Opianic acid oxime (PERKIN), 929.

$C_{10}H_{13}O_3N$ 5:6-Dimethoxy-*o*-tolualdoxime (PERKIN), 916.

10 IV

$C_{10}H_9O_3NBr_2$ Ethyl 2:4-dibromo-oxanilate (CHATTAWAY and CLEMO), 100.

$C_{10}H_{11}O_2N_2Br$ Pyruvic acid 5-bromo-*o*-tolylhydrazone (CHATTAWAY and HODGSON), 586.

10 V

$C_{10}H_9O_3NClBr$ Ethyl chlorobromo-oxanilates (CHATTAWAY and CLEMO), 99.

$C_{10}H_{11}ONClBr$ *n*-Butyrochlorobromoanilides (CHATTAWAY and CLEMO), 93.

C_{11} Group.

$C_{11}H_{10}$ β-Methylnaphthalene, additive compounds of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

11 II

$C_{11}H_7N$ α- and β-Naphthonitriles, additive compounds of *s*-trinitrobenzene and (SUDBOROUGH), 1345.

$C_{11}H_8O_3$ 2-Hydroxy-1-keto-4-methylene-1:4-dihydronaphthalene (DEAN and NIERENSTEIN), 593.

α-Naphthoic acid, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1345.

β-Naphtholaldehyde, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1345.

$C_{11}H_{10}O_5$ 4-Keto-5:6-dimethoxydihydro*iso*coumarin (PERKIN), 958.
$C_{11}H_{11}N$ Tolylpyrrole, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1347.
$C_{11}H_{12}O_3$ 4:5-Dimethoxy-2-vinylbenzaldehyde (PERKIN), 905.
$C_{11}H_{12}O_5$ Lactone of 4:5-dimethoxyphenylacetaldehyde-2-carboxylic acid (PERKIN), 972.
$C_{11}H_{14}O_4$ ω-Hydroxy-3:4-dimethoxy-*o*-tolylacetaldehyde (PERKIN), 956.
Methyl 5:6-dimethoxy-*o*-toluate (PERKIN), 921.
$C_{11}H_{14}O_5$ ω-Hydroxy-3:4-dimethoxy-*o*-tolylacetic acid (PERKIN), 959.
$C_{11}H_{15}N$ 1-Ethyltetrahydroquinoline, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1347.

11 III

$C_{11}H_{13}O_3N$ 4:5-Dimethoxy-2-vinylbenzaldoxime (PERKIN), 905.
$C_{11}H_{13}O_5N_3$ *m*-Opianic acid semicarbazone (PERKIN), 930.
$C_{11}H_{13}O_6N$ 3-Nitro-5:6-methylenedioxy-*o*-tolualdehydedimethylacetal (PERKIN), 911.
$C_{11}H_{15}O_3N_3$ 5:6-Dimethoxy-*o*-tolualdehydesemicarbazone (PERKIN), 916.
$C_{11}H_{15}O_4N$ ω-Hydroxy-3:4-dimethoxy-*o*-tolylacetaldoxime (PERKIN), 956.

11 IV

$C_{11}H_8O_2N_2Cl_2$ Citraconyl-3:5-dichlorophenylhydrazide (CHATTAWAY and ELLINGTON), 590.
$C_{11}H_8O_2N_2Br_2$ Citraconyl-3:5-dibromophenylhydrazide (CHATTAWAY and ELLINGTON), 590.

11 V

$C_{11}H_{11}O_3NClBr$ Ethyl chlorobromomalonanilate (CHATTAWAY and CLEMO), 102.

C_{12} Group.

$C_{12}H_8$ Acenaphthylene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.
$C_{12}H_{10}$ Acenaphthene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

12 II

$C_{12}H_8N_2$ Phenazine, compounds of trinitrobenzene and (SASTRY), 273.
$C_{12}H_{10}O$ 2-Methoxy-1:4-methylenenaphthalene (DEAN and NIERENSTEIN), 596.
α-Naphthyl methyl ketone, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1345.
$C_{12}H_{10}O_2$ Methyl α- and β-naphthoates, additive compounds of *s*-trinitrobenzene and (SUDBOROUGH), 1345.
2-Methoxy-1-keto-4-methylene-1:4-dihydronaphthalene (DEAN and NIERENSTEIN), 595.
$C_{12}H_{10}N_2$ 3-Aminocarbazole, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1347.
$C_{12}H_{10}N_6$ 1:2:4-Triazole-5-azo-β-naphthylamine (MORGAN and REILLY), 159.
$C_{12}H_{11}N$ 9-Aminoacenaphthene, additive compound of *s*-trinitrobenzene and (CADRE and SUDBOROUGH), 1353.
$C_{12}H_{12}O_3$ 1-Hydroxy-2-methoxynaphthyl-4-carbinol (DEAN and NIERENSTEIN), 595.
$C_{12}H_{12}O_6$ Acetyl-*m*-opianic acid (PERKIN), 931.
$C_{12}H_{12}N_2$ *p*-Aminodiphenylamine, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.

$C_{12}H_{14}O_4$ Methyl phenylsuccinates (WREN and WILLIAMS), 578.
$C_{12}H_{14}O_7$ Ethyl phloroglucinoldicarboxylate, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.
$C_{12}H_{18}O_8$ *iso*Butyl diacetyltartrate, rotation of (PATTERSON), 1139.
$C_{12}H_{22}O_{11}$ Sucrose, structure of (HAWORTH and LAW), 1314.

12 III

$C_{12}H_9ON_5$ 1:2:4-Triazole-5-azo-β-naphthol (MORGAN and REILLY), 159.
$C_{12}H_9NS$ Thiodiphenylamine, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1348.
$C_{12}H_{12}N_2S_2$ *o*-Diaminodiphenyl disulphide, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1348.
$C_{12}H_{13}ON$ 2- and 4-Amino-1-naphthyl ethyl ethers, additive compounds of *s*-trinitrobenzene and (SUDBOROUGH), 1345.
$C_{12}H_{13}O_5N_3$ 4-Keto-5:6-dimethoxydihydro*iso*coumarinsemicarbazone (PERKIN), 958.
$C_{12}H_{13}O_6N$ 3:4-Dimethoxy-6-methylcarbamylphenylglyoxylic acid ($+2H_2O$) (PERKIN), 893.
$C_{12}H_{14}O_5N_2$ 5(or 8)-Nitro-6:7-dimethoxy-2-methyltetrahydro*iso*quinolone (PERKIN), 892.
$C_{12}H_{15}O_3N$ 6:7-Dimethoxy-2-methyltetrahydro*iso*quinolone (PERKIN), 889, 925.
$C_{12}H_{15}O_3N_3$ 4:5-Dimethoxy-2-vinylbenzaldehydesemicarbazone (PERKIN), 904.
$C_{12}H_{16}O_3N_2$ Carbethoxy-*p*-dimethylaminobenz*anti*aldoxime (BRADY and DUNN), 679.
$C_{12}H_{17}O_4N_3$ ω-Hydroxy-3:4-dimethoxy-*o*-tolylacetaldehydesemicarbazone (PERKIN), 956.

12 IV

$C_{12}H_{11}O_4N_2Br$ Citraconylbromotolylhydrazides (CHATTAWAY and HODGSON), 586.

12 VI

$C_{12}H_6O_2NCl_2BrS$ Benzenesulphonchlorobromophenylchloroamides (CHATTAWAY and CLEMO), 103.
$C_{12}H_9O_2NClBrS$ Benzenesulphonchlorobromoanilides (CHATTAWAY and CLEMO), 103.

C_{13} Group.

$C_{13}H_{10}$ Fluorene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

13 II

$C_{13}H_{10}O_3$ 2-Acetoxy-1-keto-4-methylene-1:4-dihydronaphthalene (DEAN and NIERENSTEIN), 594.
$C_{13}H_{11}N$ 2-Aminofluorene, additive compounds of *s*-trinitrobenzene and (CADRE and SUDBOROUGH), 1351.
$C_{14}H_{12}O_4$ 1-Hydroxy-2-acetoxynaphthyl-4-carbinol (DEAN and NIERENSTEIN), 595.
$C_{13}H_{13}N$ Aminodiphenylmethane, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.
Tetrahydro-α-naphthaquinoline, additive compounds of trinitrobenzene and (SASTRY), 271.
$C_{13}H_{14}O_3$ 1:2-Dimethoxynaphthyl-4-carbinol (DEAN and NIERENSTEIN), 595.
$C_{13}H_{14}O_6$ Acetyl derivative of lactone $C_{11}H_{12}O_5$ (PERKIN), 972.

$C_{13}H_{14}N_2$ Diaminodiphenylmethane, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.

13 III

$C_{13}H_2O_2Br_6$ Hexabromoxanthone (DHAR), 746.

$C_{13}H_4O_2Br_4$ Tetrabromoxanthone (DHAR), 745.

$C_{13}H_6O_4N_2$ α- and β-Nitroaminoxanthones (DHAR), 747.

$C_{13}H_9NS$ 1-Phenylbenzthiazole, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1348.

$C_{13}H_{10}N_2Cl_2$ Benzaldehyde-3:5-dichlorophenylhydrazone (CHATTAWAY and ELLINGTON), 590.

$C_{13}H_{11}ON$ *p*-Aminobenzophenone, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.

Substance, from pyrrole-2-aldehyde and acetophenone (LUBRZYNSKA), 1120.

$C_{13}H_{11}ON_5$ 3-Methyl-1:2:4-triazole-5-azo-β-naphthol (MORGAN and REILLY), 157.

$C_{13}H_{11}O_3N_3$ α-Benzoylamino-β-glyoxaline-4(or 5)-acrylic acid, and its salts (PYMAN), 194.

$C_{13}H_{13}O_2N$ Ethyl naphthylcarbamate, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1345.

$C_{13}H_{13}O_3N_3$ Benzoyl-γ-histidine, and its salts (PYMAN), 195.

$C_{13}H_{17}O_5N$ *N*-Formyl-4:5-dimethoxy-2-β-methylaminoethylbenzoic acid, and its hydrochloride (PERKIN), 923.

$C_{13}H_{19}O_3N$ 4:5-Dimethoxy-2-β-dimethylaminoethylbenzaldehyde (PERKIN), 901.

13 IV

$C_{13}H_2O_6N_2Br_4$ Tetrabromodinitroxanthone (DHAR), 747.

$C_{13}H_4O_6N_2Br_2$ Dibromodinitroxanthone (DHAR), 747.

$C_{13}H_4O_8N_3Br$ Bromotrinitroxanthone (DHAR), 747.

$C_{13}H_5O_6N_2Br$ Bromodinitroxanthone (DHAR), 746.

$C_{13}H_8O_2N_2Cl_2$ Nitrobenzodichloroanilides (CHATTAWAY and CLEMO), 94.

$C_{13}H_8O_2N_2Br_2$ Nitrobenzodibromoanilides (CHATTAWAY and CLEMO), 94.

$C_{13}H_9O_2N_3Cl_2$ Nitrobenzaldehyde-3:5-dichlorophenylhydrazones (CHATTAWAY and ELLINGTON), 591.

$C_{13}H_9O_2N_3Br_2$ Nitrobenzaldehyde-3:5-dibromophenylhydrazones (CHATTAWAY and ELLINGTON), 591.

$C_{13}H_9O_3N_3Cl_2$ Nitrobenzoyl-3:5-dichlorophenylhydrazines (CHATTAWAY and ELLINGTON), 589.

$C_{13}H_9O_3N_3Br_2$ Nitrobenzoyl-3:5-dibromophenylhydrazines (CHATTAWAY and ELLINGTON), 589.

$C_{13}H_{10}ON_2Cl_2$ Benzoyl-3:5-dichlorophenylhydrazine (CHATTAWAY and ELLINGTON), 589.

Salicylaldehyde-3:5-dichlorophenylhydrazone (CHATTAWAY and ELLINGTON), 592.

$C_{13}H_{10}ON_2Br_2$ Benzoyl-3:5-dibromophenylhydrazine (CHATTAWAY and ELLINGTON), 589.

Salicylaldehyde-3:5-dibromophenylhydrazone (CHATTAWAY and ELLINGTON), 592.

$C_{12}H_{10}O_4N_2Br_2$ *p*-Nitrotoluene-*o*-sulphon-2:4-dibromoanilide (CHATTAWAY and CLEMO), 104.

13 V

$C_{13}H_8ON_2Cl_2Br_2$ Dichlorodibromodiphenylcarbamide (CHATTAWAY and CLEMO), 98.

$C_{13}H_{11}O_2NBr_2S$ *p*-Toluenesulphon-2:4-dibromoanilide (CHATTAWAY and CLEMO), 104.

$C_{13}H_8O_3N_2ClBr$ Nitrobenzochlorobromoanilides (CHATTAWAY and CLEMO), 94.

13 VI

$C_{13}H_9O_4N_2ClBr_2S$ *p*-Nitrotoluene-*o*-sulphon-2:4-dibromophenylchloroamide (CHATTAWAY and CLEMO), 104.

$C_{13}H_9O_4N_2Cl_2BrS$ *p*-Nitrotoluene-*o*-sulphonchlorobromophenylchloroamides (CHATTAWAY and CLEMO), 104.

$C_{13}H_{10}O_2NClBr_2S$ *p*-Toluenesulphon-2:4-dibromophenylchloroamide (CHATTAWAY and CLEMO), 104.

$C_{13}H_{10}O_2NCl_2BrS$ *p*-Toluenesulphonchlorobromophenylchloroamides (CHATTAWAY and CLEMO), 103.

$C_{13}H_{10}O_4N_2ClBrS$ *p*-Nitrotoluene-*o*-sulphonchlorobromoanilides (CHATTAWAY and CLEMO), 104.

$C_{13}H_{11}O_2NClBrS$ *p*-Toluenesulphonchlorobromoanilides (CHATTAWAY and CLEMO), 103.

C_{14} Group.

$C_{14}H_{10}$ Anthracene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

Phenanthrene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

Tolane, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

$C_{14}H_{12}$ Dihydroanthracene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

Stilbene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

$C_{14}H_{14}$ *s*-Diphenylethane, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

14 II

$C_{14}H_8O_5$ Trihydroxyphenanthraquinone (MUKHERJEE and WATSON), 622.

$C_{14}H_8Br_2$ Dibromoanthracene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

$C_{14}H_{10}O$ α- and β-Anthrols, additive compounds of *s*-trinitrobenzene and (CADRE and SUDBOROUGH), 1354.

$C_{14}H_{10}O_2$ 5-Keto-2-methyl-4-methylene-$\beta\gamma$-indenopyran (1:4) (SASTRY and GHOSH), 178.

$C_{14}H_{11}N$ Aminophenanthrenes, additive compounds of *s*-trinitrobenzene and (CADRE and SUDBOROUGH), 1350.

α- and β-Anthramines, additive compounds of *s*-trinitrobenzene and (CADRE and SUDBOROUGH), 1353.

Methylacridine, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1347.

$C_{14}H_{12}O_2$ Benzyl benzoate, preparation of (BERKELEY), 520.

$C_{14}H_{15}N_3$ Dimethylaminoazobenzene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.

$C_{14}H_{18}O_4$ Ethyl phenylsuccinates (WREN and WILLIAMS), 579.

$C_{14}H_{21}N$ 9-Aminoanthracene, additive compound with *s*-trinitrobenzene and (CADRE and SUDBOROUGH), 1353.

14 III

$C_{14}H_7O_6N$ Nitro-2:7-dihydroxyphenanthraquinone (MUKHERJEE and WATSON), 621.

$C_{14}H_8O_6S$ 2-Hydroxyphenanthraquinonesulphonic acid, barium salt (MUKHERJEE and WATSON), 620.

$C_{14}H_9O_4N$ Amino-2:7-dihydroxyphenanthraquinone (MUKHERJEE and WATSON), 621.

$C_{14}H_{11}O_2Cl$ 5-Keto-2:4-dimethyl-$\beta\gamma$-indenopyrylium chloride (SASTRY and GHOSH), 177.

$C_{14}H_{11}O_3N$ Carbanilino-oxybenzaldehydes (BRADY and DUNN), 675.

$C_{14}H_{12}ON_2$ 3-Acetylaminocarbazole, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1347.

$C_{14}H_{12}OCl_2$ Di-*o*-chlorobenzyl ether (LEONARD), 571.

$C_{14}H_{13}N_2Br$ Benzaldehydebromotolylhydrazones (CHATTAWAY and HODGSON), 584.

$C_{14}H_{14}O_3N_2$ Azoxyanisole, additive compound of trinitrobenzene and (SASTRY), 273.

$C_{14}H_{15}O_2N$ 4-Acetylamino-1-naphthyl ethyl ether, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1345.

$C_{14}H_{16}O_2N_2$ *o*-Dianisidine, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.

$C_{14}H_{16}ClBi$ Di-*p*-tolylchlorobismuthine (CHALLENGER), 250.

$C_{14}H_{24}O_4N_2$ Dimethyl ethylenebis-β-amino-α-methylcrotonate (ROBINSON), 1045.

14 IV

$C_{14}H_5O_4NBr_2$ Dibromonitrophenanthraquinone (MUKHERJEE and WATSON), 623.

$C_{14}H_5O_6N_2Br$ Bromodinitrophenanthraquinone (MUKHERJEE and WATSON), 623.

$C_{14}H_6O_4NBr$ Bromonitrophenanthraquinones (MUKHERJEE and WATSON), 623.

$C_{14}H_7O_2NCl_2$ Phthalo-2:4-dichloroanil (CHATTAWAY and CLEMO), 97.

$C_{14}H_7O_2NBr_2$ Phthalo-2:4-dibromoanil (CHATTAWAY and CLEMO), 97.

$C_{14}H_6O_2N_2Br_4$ 2:4:2′:4′-Tetrabromo-oxanilide (CHATTAWAY and CLEMO), 101.

$C_{14}H_{10}O_5N_2S$ 2:7-Diaminophenanthraquinonesulphonic acid ($+ H_2O$) (MUKHERJEE and WATSON), 627.

$C_{14}H_{11}ONBr_2$ Phenylaceto-2:4-dibromoanilide (CHATTAWAY and CLEMO), 93.

$C_{14}H_{12}ON_2Cl_2$ Anisaldehyde-3:5-dichlorophenylhydrazone (CHATTAWAY and ELLINGTON), 592.

$C_{14}H_{12}ON_2Br_2$ Anisaldehyde-3:5-dibromophenylhydrazone (CHATTAWAY and ELLINGTON), 592.

$C_{14}H_{12}O_2N_2Br$ Nitrobenzaldehydebromotolylhydrazones (CHATTAWAY and HODGSON), 584.

$C_{14}H_{12}O_3N_2Br$ Nitrobenzoylbromotolylhydrazines (CHATTAWAY and HODGSON), 583.

$C_{14}H_{13}ON_2Br$ Benzoylbromotolylhydrazines (CHATTAWAY and HODGSON), 583.

Salicylaldehyde-5-bromo-*o*-tolylhydrazone (CHATTAWAY and HODGSON), 585.

$C_{14}H_{22}O_2NI$ 4:5-Dimethoxy-2-β-dimethylaminoethylbenzaldehyde methiodide (PERKIN), 903.

$C_{14}H_{23}O_3N_2I$ 4:5-Dimethoxy-2-β-dimethylaminoethylbenzaldoxime (PERKIN), 903.

14 V

$C_{14}H_7O_2NClBr$ Phthalochlorobromoanils (CHATTAWAY and CLEMO), 96.

$C_{14}H_6O_2N_2Cl_2Br_2$ Dichlorodibromo-oxanilides (CHATTAWAY and CLEMO), 100.

$C_{14}H_{11}ONClBr$ Phenylacetochlorobromoanilides (CHATTAWAY and CLEMO), 93.

C_{15} Group.

$C_{15}H_{10}O_2$ 3-Phenanthrol-4-aldehyde (SMITH), 569.

$C_{15}H_{10}O_2$ 8-Phenyl-γ-benzopyrone, and its platinichloride (WATSON), 305.

$C_{15}H_{10}O_4$ 7:8-Dihydroxy-3-phenyl-γ-benzopyrone (+ $2H_2O$) (GHOSH), 115.

$C_{15}H_{12}N_2$ 3:5-Diphenylpyrazole, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1347.

$C_{15}H_{14}O_4$ 2-Methoxy-1:4-ethylcarbonatomethylenenaphthalene (DEAN and NIERENSTEIN), 596.

15 III

$C_{15}H_{10}O_5N_2$ α- and β-Nitroacetylaminoxanthones (DHAR), 748.

$C_{15}H_{11}O_2N$ 4-Imino-7-hydroxy-2- and -3-phenyl-γ-benzopyrans, and their salts (GHOSH), 113.

$C_{15}H_{11}O_3N$ 4-Imino-7:8-dihydroxy-2- and -3-phenyl-γ-benzopyrans (+ H_2O) (GHOSH), 114.

$C_{15}H_{11}O_3N_3$ 2-Phenyl-4-[1-acetylglyoxaline-4(or 5)-methylidene]-oxazolone (PYMAN), 193.

$C_{15}H_{12}N_2Cl_2$ Cinnamaldehyde-3:5-dichlorophenylhydrazone (CHATTAWAY and ELLINGTON), 592.

$C_{15}H_{12}N_2Br_2$ Cinnamaldehyde-3:5-dibromophenylhydrazone (CHATTAWAY and ELLINGTON), 592.

$C_{15}H_{14}O_2N_2$ 5:6-Methylenedioxy-*o*-tolualdehydephenylhydrazone (PERKIN), 908.

$C_{15}H_{14}O_2I_2$ 3:3′-Di-iodo-4:4′-dimethoxydiphenylmethane (ROBINSON), 1087.

$C_{15}H_{14}O_6N_2$ Substance, from the action of nitric acid on cryptopine (PERKIN), 893.

$C_{15}H_{25}O_4Br$ Methyl menthyl bromosuccinates (COHEN, WOODROFFE, and ANDERSON), 229.

15 IV

$C_{15}H_{11}O_2N_2Br$ Phthalylbromotolylhydrazides (CHATTAWAY and HODGSON), 587.

$C_{15}H_{15}ON_2Br$ Anisaldehydebromotolylhydrazones (CHATTAWAY and HODGSON), 585.

15 V

$C_{15}H_{10}O_2N_2Cl_2Br_2$ Dichlorodibromomalonanilides (CHATTAWAY and CLEMO), 101.

C_{16} Group.

$C_{16}H_{10}O_4$ 8-Phenyl-γ-benzopyrone-2-carboxylic acid (WATSON), 305.

$C_{16}H_{12}O_3$ 7-Hydroxy-3-phenyl-5-methyl-γ-benzopyrone (+ $2H_2O$) (GHOSH), 117.

$C_{16}H_{12}O_5$ 2-Diphenylyloxyfumaric acid (WATSON), 304.

$C_{16}H_{14}O$ α- and β-Anthrol ethyl ethers, additive compounds of *s*-trinitrobenzene and (CADRE and SUDBOROUGH), 1354.

$C_{16}H_{18}N_2$ Diphenylpiperazine, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1347.

$C_{16}H_{19}N$ Benzylpropylaniline, and its picrate (SINGH), 791.

16 III

$C_{16}H_{11}O_2N_3$ 4-Nitronaphthalene-1-azophenol (SIRCAR), 772.

$C_{16}H_{13}O_2N$ 4-Imino-7-hydroxy-3-phenyl-5-methyl-γ-benzopyran (+ H_2O) (GHOSH), 116.

4-Imino-7-hydroxy-3-phenyl-2-methyl-γ-benzopyran (+ $\frac{1}{2}H_2O$), and its salts (GHOSH), 109.

$C_{16}H_{13}O_5N$ 4-Imino-7:8-dihydroxy-3-phenyl-2-methyl-γ-benzopyran ($+\frac{1}{2}H_2O$) (GHOSH), 110.

$C_{16}H_{15}ON$ 5-Methyl-5:10-dihydroacridine, and its compound with *s*-trinitrobenzene (SASTRY), 272.

$C_{16}H_{15}O_2N$ Piperonylidene-β-phenylethylamine (HAMILTON and ROBINSON), 1033.

$C_{16}H_{15}O_3N_4$ *p*-Nitrobenzene-1-azo-1′:2′:3′:4′-tetrahydro-4-naphthol (SIRCAR), 773.

$C_{16}H_{15}N_2Br$ Cinnamaldehyde-3-bromotolylhydrazones (CHATTAWAY and HODGSON), 586.

$C_{16}H_{16}O_4N_2$ Carbanilino-3:4-dimethoxybenz*syn*aldoxime (BRADY and DUNN), 675.

$C_{16}H_{20}N_2S_2$ Dimethylaniline disulphide, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1348.

16 IV

$C_{16}H_{10}ON_2Br_2$ 2:4-Dibromobenzeneazo-β-naphthol, preparation of (CHATTAWAY and CLEMO), 105.

$C_{16}H_{15}ON_2Br$ *p*-Bromobenzene-1-azo-1′:2′:3′:4′-tetrahydro-4-naphthol (SIRCAR), 774.

$C_{16}H_{16}O_4N_2S$ *p*-Sulphobenzene-1-azo-1′:2′:3′:4′-tetrahydro-4-naphthol (SIRCAR), 773.

16 V

$C_{16}H_{10}ON_2ClBr$ Chlorobromobenzeneazo-β-naphthols (CHATTAWAY and CLEMO), 105.

C_{17} Group.

$C_{17}H_{12}O$ Phenyl α-naphthyl ketone, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1345.

$C_{17}H_{14}O$ Phenyl cinnamylidenemethyl ketone, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.

$C_{17}H_{14}O_2$ 3-Phenyl-2:7-dimethyl-2-benzopyrone (GHOSH), 112.

$C_{17}H_{14}O_3$ Phenyl 5:6-methylenedioxy-*o*-methylstyryl ketone (PERKIN), 910.

$C_{17}H_{16}O_4$ 3:4-Dimethoxyphenyl 2-hydroxystyryl ketone (HAMILTON and ROBINSON), 1037.

$C_{17}H_{17}N$ 1-Benzylidene-2-methyl-1:2:3:4-tetrahydro*iso*quinoline, and its salts (HAMILTON and ROBINSON), 1035.

17 III

$C_{17}H_{11}O_5N_3$ 4-Nitronaphthalene-1-azosalicylic acid (SIRCAR), 773.

$C_{17}H_{13}O_3N$ Acetyl derivative of 4-imino-7-hydroxy-3-phenyl-γ-benzopyran (GHOSH), 114.

$C_{17}H_{14}ON_2$ 1-Phenylbenzylidene-3-methyl-5-pyrazolone, additive compound of trinitrobenzene and (SASTRY), 273.

$C_{17}H_{15}ON$ 4-Imino-3-phenyl-2:7-dimethyl-γ-benzopyran, and its sulphate (GHOSH), 112.

$C_{17}H_{19}ON$ *N*-Phenylacetyl-*N*-methyl-β-phenylethylamine (HAMILTON and ROBINSON), 1034.

$C_{17}H_{19}O_3N$ Piperine, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.

17 IV

$C_{17}H_{15}O_3Cl_4Fe$ 3′:4′-Dimethoxy-2-phenyl-1:4-benzopyranol anhydroferrichloride (HAMILTON and ROBINSON), 1037.

C_{18} Group.

$C_{18}H_{12}$ Chrysene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

$C_{18}H_{18}$ Retene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

18 II

$C_{18}H_{12}O_5$ 3-Phenanthroxyfumaric acid (WATSON), 305.

$C_{18}H_{14}O_4$ Ethyl 8-phenyl-γ-benzopyrone-2-carboxylate (WATSON), 305.

$C_{18}H_{30}O_2$ Linolenic acid, oxidation of (SALWAY), 138.

18 III

$C_{18}H_{11}O_6N$ Nitro-2:7-diacetoxyphenanthraquinone (MUKHERJEE and WATSON), 621.

$C_{18}H_{11}ON_4$ 2:4-Bisbenzeneazophenol, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.

$C_{18}H_{14}O_4N_2$ 2:7-Diacetylaminophenanthraquinone (MUKHERJEE and WATSON), 622.

$C_{18}H_{15}O_2N$ Acetyl derivative ($+\frac{1}{2}H_2O$) of 4-imino-7-hydroxy-3-phenyl-2-methyl-γ-benzopyran (GHOSH), 110.

$C_{18}H_{16}ON_2$ Phenylhydrazone of 2-methoxy-1-keto-4-methylene-1:4-dihydronaphthalene (DEAN and NIERENSTEIN), 595.

$C_{18}H_{21}O_7N$ Cryptopidic acid, and its salts (PERKIN), 894.

C_{19} Group.

$C_{19}H_{12}O_2$ 5-Keto-2-phenyl-4-methylene-βγ-indenopyran(1:4) (SASTRY and GHOSH), 179.

3-Phenyl-1:4-α-naphthapyrone ($+\frac{1}{2}H_2O$) (GHOSH), 116.

$C_{19}H_{14}O_3$ 4:5-Diketo-3-phenyl-2-methyl-βγ-indenopyran(1:4) (SASTRY and GHOSH), 180.

$C_{19}H_{15}N$ Phenylacridine, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1347.

$C_{19}H_{14}O$ Benzylidene derivative of 2-methoxy-1:4-methylenenaphthalene (DEAN and NIERENSTEIN), 596.

$C_{19}H_{14}O_6$ Acetyl derivative of 7:8-dihydroxy-3-phenyl-γ-benzopyrone (GHOSH), 115.

$C_{19}H_{19}N_3$ Paraleucaniline, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.

19 III

$C_{19}H_{11}O_5N_3$ α-Nitroxanthoneazophenol (DHAR), 750.

$C_{19}H_{11}O_6N_3$ Phenyliminodinitroxanthone (DHAR), 749.

$C_{19}H_{12}ON$ 4-Imino-2- and -3-phenyl-1:4-α-naphthapyrans, and their salts (GHOSH), 121.

$C_{19}H_{12}O_2N$ 4-Amino-5-keto-3-phenyl-2-methyl-βγ-indenopyran(1:4) (SASTRY and GHOSH), 179.

$C_{19}H_{13}O_2Cl$ 5-Keto-2-phenyl-4-methyl-βγ-indenopyrylium chloride (SASTRY and GHOSH), 178.

$C_{19}H_{15}O_5N$ Acetyl derivative of 4-imino-7:8-dihydroxy-3-phenyl-γ-benzopyran (GHOSH), 115.

$C_{19}H_{17}O_2N_3$ Phenylhydrazone of 2-acetoxy-4-methylene-1:4-dihydronaphthalene (DEAN and NIERENSTEIN), 594.

19 IV

$C_{19}H_{14}O_2NCl$ 4-Amino-5-keto-3-phenyl-2-methyl-βγ-indenopyrylium chloride (SASTRY and GHOSH), 179.

C_{20} Group.

$C_{20}H_{10}O_{11}$ Flavogallone (BLEULER and PERKIN), 537.

$C_{20}H_{14}O_8$ Triacetoxyphenanthraquinone (MUKHERJEE and WATSON), 622.

$C_{20}H_{14}N_2$ *aa*-Azonaphthalene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1345.

$C_{20}H_{16}N_2$ α-Aminoazonaphthylene, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1345.

$C_{20}H_{18}O_5$ Anhydrocryptopidiol (PERKIN), 973.

$C_{20}H_{19}N$ Dibenzylaniline, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1346.

$C_{20}H_{20}O_4$ Cryptopidene (PERKIN), 926.

$C_{20}H_{20}O_5$ α- and β-*iso*Berberidol (PERKIN), 954.

α- and β-*iso*Cryptopidol (PERKIN), 947.

Ethyl 2-diphenylyloxyfumarate (WATSON), 304.

$C_{20}H_{20}O_6$ Cryptopidiol (PERKIN), 974.

20 III

$C_{20}H_{11}O_6N_3$ Dinitroanilinophenanthraquinone (MUKHERJEE and WATSON), 625.

$C_{20}H_{12}O_4N_2$ Nitroanilinophenanthraquinones (MUKHERJEE and WATSON), 624.

$C_{20}H_{13}O_3N_3$ *p*-Nitrobenzene-1-azo-4-anthrol (SIRCAR), 775.

$C_{20}H_{14}ON_2$ Benzene-1-azo-4-anthrol (SIRCAR), 775.

$C_{20}H_{15}ON$ 4-Imino-3-phenyl-2-methyl-1:4-α-naphthapyran ($+\frac{1}{2}H_2O$), and its sulphate (GHOSH), 111.

$C_{20}H_{15}O_3N$ *p*-Diphenylcarbamyloxybenzaldehyde (BRADY and DUNN), 676.

$C_{20}H_{15}O_6N$ Dehydronorketoanhydrocryptopic acid (PERKIN), 988.

$C_{20}H_{15}O_7N$ Acetylamino-2:7-diacetoxyphenanthraquinone (MUKHERJEE and WATSON), 622.

$C_{20}H_{16}O_3N_2$ *p*-Diphenylcarbamyloxybenzaldoxime (BRADY and DUNN), 676.

$C_{20}H_{17}O_4N$ Anhydroprotopine (PERKIN), 1025.

$C_{20}H_{17}O_5N$ Acetyl derivative of 4-imino-7:8-dihydroxy-3-phenyl-2-methyl-γ-benzopyran (GHOSH), 111.

$C_{20}H_{17}O_7N$ Norketoanhydrocryptopic acid (PERKIN), 988.

20 IV

$C_{20}H_{11}O_4N_2Br$ Bromo-*p*-nitroanilinophenanthraquinone (MUKHERJEE and WATSON), 625.

$C_{20}H_{12}O_7N_2S$ 2-Nitroanilinophenanthraquinonesulphonic acid (MUKHERJEE and WATSON), 625.

$C_{20}H_{13}ON_2Br$ *p*-Bromobenzene-1-azo-4-anthrol (SIRCAR), 775.

$C_{20}H_{14}O_4N_2S$ *p*-Sulphobenzene-1-azo-4-anthrol (SIRCAR), 776.

C_{21} Group.

$C_{21}H_{16}$ Di-α-naphthylmethane, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1344.

21 II

$C_{21}O_8O_{12}$ Flavogallol, and its salts (BLEULER and PERKIN), 533.

$C_{21}H_{10}O_{13}$ Flavogallonic acid (BLEULER and PERKIN), 536.

$C_{21}H_{14}O_6$ 7:8-Dihydroxy-2:3-diphenyl-γ-benzopyrone (GHOSH), 119.

$C_{21}H_{18}O_5$ 5:6:5′:6′-Di-methylenetetraoxydi-*o*-methylstyryl ketone (PERKIN), 909.

$C_{21}H_{16}O_{13}$ Gossipitrone (PERKIN), 153.
$C_{21}H_{24}Bi$ Tri-*p*-tolylbismuthine (CHALLENGER), 250.
$C_{21}H_{36}O_4$ Methyl menthyl camphorates (COHEN, WOODROFFE, and ANDERSON), 227.

21 III

$C_{21}H_{13}O_3N$ 2-Benzoylaminophenanthraquinone (MUKHERJEE and WATSON), 626.
$C_{21}H_{15}ON$ 3-Hydroxyphenanthrylideneaniline (SMITH), 570.
$C_{21}H_{15}O_2N$ 4-Imino-7-hydroxy-2:3 diphenyl-γ-benzopyran, and its hydrochloride (GHOSH), 117.
$C_{21}H_{15}O_3N$ 4-Imino-7:8-dihydroxy-2:3-diphenyl-γ-benzopyran $(+\frac{1}{2}H_2O)$ (GHOSH), 119.
$C_{21}H_{17}O_4N_3$ Dicarbanilino-oxybenzaldoximes (BRADY and DUNN), 677.
$C_{21}H_{16}O_4N_2$ Acetyl-*p*-diphenylcarbamyloxybenzaldoxime (BRADY and DUNN), 677.
$C_{21}H_{19}O_5N$ Ketoanhydrocryptopine (PERKIN), 986.
Keto*isoepi*cryptopirubin base, and its salts (PERKIN), 1018.
n- and *iso*-Protopines, and their salts (PERKIN), 1023.
$C_{21}H_{21}O_4N$ *n*- and *iso*-Anhydrocryptopines, and their salts)PERKIN), 975, 1002.
$C_{21}H_{21}O_5N$ Dehydro*epi*cryptopirubin hydroxide (PERKIN), 1017.
Hydroxyanhydrocryptopine, and its salts (PERKIN), 992.
Methylprotopines (PERKIN), 1027.
$C_{21}H_{21}O_6N$ Diketotetrahydroanhydrocryptopine (PERKIN), 998.
Base, from oxidation of anhydrocryptopine (PERKIN), 987.
$C_{21}H_{21}O_9N_3$ Dinitrocryptopines (PERKIN), 890.
$C_{21}H_{22}O_7N_2$ Nitrocryptopine (PERKIN), 893.
$C_{21}H_{23}O_2N_3$ Aminostrychnine, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1347.
$C_{21}H_{23}O_4N$ Anhydrodihydrocryptopines, and their salts (PERKIN), 937.
$C_{21}H_{23}O_5N$ *n*-, *iso*-, ψ-, and *epi*-Cryptopines, and their salts (PERKIN), 877, 984, 1008, 1014.
Hydroxy*iso*anhydrodihydrocryptopines, and their salts (PERKIN), 995.
$C_{21}H_{25}O_6N$ Dihydroxy*iso*anhydrodihydrocryptopine, and its platinichloride (PERKIN), 996.
$C_{21}H_{23}O_5N$ Dihydrocryptopines, and their salts (PERKIN), 931.
Hydroxytetrahydroanhydrocryptopine, and its platinichloride (PERKIN), 949.

C_{22} Group.

$C_{22}H_{17}N$ Triphenylpyrrole, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1347.

22 III

$C_{22}H_{15}O_3N$ Benzoyl derivative of 4-imino-7-hydroxy-3-phenyl-γ-benzopyran (GHOSH), 114.
$C_{22}H_{23}O_4N$ Methyl-ψ-anhydrocryptopine, and its hydriodide (PERKIN), 1006.
$C_{22}H_{23}O_5N$ Methoxyanhydrocryptopines (PERKIN), 991.
$C_{22}H_{25}O_4N$ *N*-Dimethyl*iso*tetrahydroberberine (PERKIN), 950.
Methyl*iso*anhydrodihydrocryptopine, and its salts (PERKIN), 945.
$C_{22}H_{25}O_5N$ Methylcryptopines, and their salts (PERKIN), 960, 999, 1019.
$C_{22}H_{26}O_5N_2$ Methylcryptopine(γ)oxime (PERKIN), 968.
$C_{22}H_{19}O_6N$ Tetrahydromethylcryptopine, and its salts (PERKIN), 896.

C_{23} Group.

$C_{23}H_{14}O_{13}$ Ethyl flavogallonate (BLEULER and PERKIN), 535.
$C_{23}H_{16}O_4$ 7-Acetoxy-2:3-diphenyl-γ-benzopyrone (GHOSH), 118.

23 III

$C_{23}H_{13}O_5N_3$ β-Nitroxanthoneazo-β-naphthol (DHAR), 749.
$C_{23}H_{13}O_6N_3$ β-Nitroxanthoneazo-1:5-dihydroxynaphthalene (DHAR), 749.
$C_{23}H_{17}O_3N$ Acetyl derivative of 4-imino-7-hydroxy-2:3-diphenyl-γ-benzopyran (GHOSH), 118.
Benzoyl derivative (+ $\frac{1}{2}H_2O$) of 4-imino-7-hydroxy-3-phenyl-2-methyl-γ-benzopyran (GHOSH), 110.
$C_{23}H_{25}O_5N$ Ethoxyanhydrocryptopines (PERKIN), 991.
$C_{23}H_{25}O_6N$ Acetyl derivatives of *epi*cryptopines (PERKIN), 1010.
$C_{23}H_{28}O_5N_4$ Methylcryptopine(γ)semicarbazone (PERKIN), 969.

23 IV

$C_{23}H_{16}O_2N_2Br_2$ Dianilinodibromoxanthone (DHAR), 748.
$C_{23}H_{26}O_4NBr$ Ethyldihydro*iso*anhydrocryptopine bromide (PERKIN), 888.
$C_{23}H_{26}O_4NI$ Ethyldihydro*iso*anhydrocryptopine iodide (PERKIN), 888.
$C_{23}H_{29}O_5NS$ *N*-Methyl*iso*tetrahydroberberines, and their salts (PERKIN), 951.

C_{24} Group.

$C_{24}H_{21}N_3$ 1:3:5-Trianilinobenzene, additive compound of trinitrobenzene and (SASTRY), 272.
$C_{24}H_{22}O_5$ Quinhydrone, from 2-methoxy-1-keto-4-methylene-1:4-dihydronaphthalene and 1-hydroxy-2-methoxynaphthyl-4-carbinol (DEAN and NIERENSTEIN), 596.

24 III

$C_{24}H_{27}O_6N$ Acetylmethylcryptopine(γ) (PERKIN), 970.

24 IV

$C_{24}H_{33}O_4NS$ Anhydrotetrahydromethylcryptopine methosulphate (PERKIN), 926.

C_{25} Group.

$C_{25}H_{22}O_{13}$ Acetyl derivative of hexahydroxybenzophenone (BLEULER and PERKIN), 542.

C_{26} Group.

$C_{26}H_7O_4N_3$ Nitrodianilinophenanthraquinone (MUKHERJEE and WATSON), 625.
$C_{26}H_{16}O_4N_4$ Phenanthraquinone-2:7-bisazophenol (MUKHERJEE and WATSON), 628.
$C_{26}H_{18}O_2N_2$ Dianilinophenanthraquinones (MUKHERJEE and WATSON), 624.

26 IV

$C_{26}H_{18}O_5N_2S$ Dianilinophenanthraquinonesulphonic acid (MUKHERJEE and WATSON), 625.

C_{27} Group.

$C_{27}H_{44}O$ Cholesterol, constitution of, and its action with ozone (DORÉE and ORANGE), 46.

27 III

$C_{27}H_{13}O_{11}N$ Flavogallolanilide (BLEULER and PERKIN), 535.
$C_{27}H_{46}OS_3$ Cholesterol thio-ozonide (DORÉE and ORANGE), 52.

C_{28} Group.

$C_{28}H_{18}O_4$ α-Naphtholphthalein, additive compound of *s*-trinitrobenzene and (SUDBOROUGH), 1345.

28 III

$C_{28}H_{18}O_4N_2$ 2:7-Dibenzoyldiaminophenanthraquinone (MUKHERJEE and WATSON), 627.

$C_{28}H_{27}O_4N$ Anhydrotetrahydromethylcryptopine, and its salts (PERKIN), 899.

$C_{28}H_{27}O_6N$ Benzoyloxy*iso*anhydrodihydrocryptopine, and its hydrochloride (PERKIN), 997.

C_{29} Group.

$C_{29}H_{20}O_{12}N_6$(?) Substance from distyryl diketone and *s*-trinitrobenzene (SUDBOROUGH), 1346.

C_{30} Group.

$C_{30}H_{32}O_{15}$ Acid from acid $C_{31}H_{34}O_{15}$ and potassium hydroxide (BLEULER and PERKIN), 539.

30 III

$C_{30}H_{16}O_6N_2$ 2-Oxalylaminophenanthraquinone (MUKHERJEE and WATSON), 626.

$C_{30}H_{20}O_6N_4$ Phenanthraquinone-2:7-bisazophenyl acetate (MUKHERJEE and WATSON), 628.

C_{31} Group.

$C_{31}H_{34}O_{15}$ Acid, from methylation of flavogallol (BLEULER and PERKIN), 539.

C_{33} Group.

$C_{33}H_{20}O_{16}$ Acetylflavogallol BLEULER and PERKIN), 534.

$C_{33}H_{38}O_{15}$ Methyl ester of acid $C_{31}H_{34}O_{15}$ (BLEULER and PERKIN), 539.

33 III

$C_{33}H_{25}O_4N_3$ Diphenylcarbamyl-*p*-diphenylcarbamyloxybenzaldoxime (BRADY and DUNN), 678.

C_{34} Group.

$C_{34}H_{24}O_{19}$ Acetylflavogallone (BLEULER and PERKIN), 537.

34 III

$C_{34}H_{49}O_4N$ Cholesteryl nitrobenzoates (DORÉE and ORANGE), 54.

$C_{34}H_{50}O_2Br_2$ Cholesteryl benzoate dibromide (DORÉE and ORANGE), 54.

34 IV

$C_{34}H_{48}O_4NBr$ Bromocholesteryl *m*-nitrobenzoate (DORÉE and ORANGE), 54.

C_{36} Group.

$C_{36}H_{28}O_{20}$ Acetyl derivative of methyl flavogallonate (BLEULER and PERKIN), 536.

36 III

$C_{36}H_{20}O_6N$ 2-Phthalylaminophenanthraquinone (MUKHERJEE and WATSON), 626.

C_{27} Group.

$C_{27}H_{28}O_{20}$ Acetyl derivative of ethyl flavogallonate (BLEULER and PERKIN), 536.

C_{38} Group.

$C_{38}H_{28}O_2N_4$ Dibenzidinophenanthraquinone (MUKHERJEE and WATSON), 626.

C_{44} Group.

$C_{44}H_{24}O_6N_4$ 2:7-Diphthalyldiaminophenanthraquinone (MUKHERJEE and WATSON), 627.

C_{49} Group.

$C_{49}H_{38}O_2N_6$ Hexa-anilinoxanthone (DHAR), 748.

C_{63} Group.

$C_{63}H_{32}O_{18}$ Benzoylflavogallol (BLEULER and PERKIN), 535.

ERRATA.

VOL. CIX (TRANS., 1916).

Page	Line	
123	1*	*for* "silver" *read* "mercurous."
124	6*	,, "in" *read* "into."
125	17*	,, "water" *read* "ether."
127	9	,, "20·8" *read* "20·1."
127	5*	col. i. *for* "nitrite" *read* "nitrate."
130	6	,, "54·25" *read* "54·22."
131	4	
	15*	
	12*	
133	13*	*for* "nitromercaptides" *read* "mercury mercaptide nitrites."
134	16*	
	14*	
132	2	
133	12*	
	1*	
134	15*	,, "ethyl nitromercaptide" *read* "mercury ethylmercaptide nitrite."
136	1	
137	13	
134	15	
135	9	,, "methyl nitromercaptide" *read* "mercury methylmercaptide nitrite."
136	8	
137	15*	
583	4*	,, "m-*Nitrobenzoyl*-3-*bromo*-o-*tolylhydrazine*" read "m-*Nitrobenzoyl*-5-*bromo*-o-*tolylhydrazine*."
586	top	,, "*Cinnamaldehyde*-3-*bromo*-o-*tolylhydrazone*" read "*Cinnamaldehyde*-5-*bromo*-o-*tolylhydrazone*."

658 16 *for* "$CH_3 \cdot CH$ / $HO \cdot N$" *read* "$C_6H_5 \cdot CH$ / $HO \cdot N$"

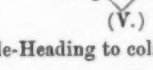
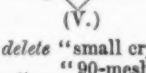
662 7* ,, *for* "$C_6H_5 \cdot CH$ / $Ac_2O \cdot N$" *read* "$C_6H_5 \cdot CH$ / $AcO \cdot N$."

694 20 ,, "No HBr; temperature, 25·0° | No HBr; temperature, 40·4°," *read* "*N*/5HBr; temperature, 25·0° | *N*/5HBr; temperature, 40·4°."

823 2* ,, "$(MeO)_2C_6H_2 \cdot CHO$" *read* "$(MeO)_2C_6H_2Me \cdot CHO$."

1029 4* ,, "2893" *read* "2493."

1039 bottom *for* "$NH_2 \cdot CMe{:}CHMe \cdot CO_2Et$" *read* "$NH_2 \cdot CMe{:}CMe \cdot CO_2Et$."

1079 9* *for* "  " *read* "  "

1229 Table-Heading to cols 2 and 3, *delete* "small crystals."
" " " " 6 and 7, " "90-mesh powder."

1343 9 *for* "substanced" *read* "substituted."